

**BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS**

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ATTENTION TO ALL CHEMICAL, CIVIL, ELECTRICAL AND MECHANICAL ENGINEERING CANDIDATES!

Notice of Changes to Principles and Practice (PE) Examinations

Chemical Engineering Principles and Practice Examination: Effective with the April 2000 exam administration, the Chemical Engineering exam will be administered in a new format. The exam will be in a 100% objectively scored, no-choice format. This means that the exam will be fully multiple choice, and candidates must answer all of the questions on the exam. There will be 40 questions in the morning, and 40 questions in the afternoon.

The Chemical Engineering exam specifications should be available in October 1999, and can be downloaded at NCEES' website at that time.

Civil Engineering Principles and Practice Examination: Effective with the October 2000 exam administration, the Civil Engineering exam will be administered in a new breadth and depth format. The **morning portion** of the exam will focus on the breadth of civil engineering; it will be in a 100% objectively scored, no choice format (all questions will be multiple choice; candidates must answer all of the questions). The **afternoon portion** of the exam will focus on the depth of civil engineering. The afternoon portion will also be fully multiple choice; however, candidates will choose to complete one of the five (5) depth modules. The candidates must answer all of the questions within a depth module.

The five (5) breadth and depth topics are Structures, Transportation, Water Resources, Environmental, and Geotechnical. For the morning (breadth) portion of the exam, questions will be asked in each of the 5 topics; each topic area will have eight (8) questions, for a total of 40 questions. The afternoon (depth) portion of the exam will include the same 5 topic areas; each module will have a total of 40 questions, and the candidates will choose to complete one of the modules. The majority of the depth questions will come from the main topic area, but there will be a few questions that overlap with the other topic areas as well.

The Civil Engineering exam specifications are expected to be available in early-2000, and can be downloaded at NCEES' website at that time.

Electrical Engineering Principles and Practice Examination: Effective with the October 2001 exam administration, the Electrical Engineering exam will be administered in a new breadth and depth format. The **morning portion** of the exam will focus on the breadth of electrical engineering; it will be in a 100% objectively scored, no choice format (all questions will be multiple choice; candidates must answer all of the questions). The **afternoon portion** of the exam will focus on the depth of electrical engineering, and will also be fully multiple choice; however, candidates will choose to complete one of the five (5) depth modules. The candidates must answer all of the questions within a depth module.

At this time, the topic areas are expected to be Power, Computers, Communications, Control Systems, and Electronics. The morning (breadth) portion of the exam will contain 40 questions testing the knowledge which every practicing electrical engineer should know. The afternoon (depth) portion of the exam will test similar electrical engineering knowledge; each module will have a total of 40 questions, and the candidates will choose to complete one of the modules. Many of the depth questions will come from the main topic area of the module, but there may be some questions that overlap with the other topic areas as well.

The Electrical Engineering exam specifications will be available in early-2001, and will include a confirmation of the breadth and depth topics. The exam specifications can be downloaded at NCEES' website at that time.

Mechanical Engineering Principles and Practice Examination: Effective with the October 2001 exam administration, the Mechanical Engineering exam will be administered in a new breadth and depth format. The **morning portion** of the exam will focus on the breadth of mechanical engineering; it will be in a 100% objectively scored, no choice format (all questions will be multiple choice; candidates must answer all of the questions). The **afternoon portion** of the exam will focus on the depth of mechanical engineering, and will also be fully multiple choice; however, candidates will choose to complete one of the four (4) depth modules. The candidates must answer all of the questions within a depth module.

At this time, the topic areas are expected to be Machine Design, HVAC, Energy Conversion, and Applications. The morning (breadth) portion of the exam will contain 40 questions testing the knowledge which every practicing mechanical engineer should know. The afternoon (depth) portion of the exam will include the same topic areas; each will have a total of 40 questions, and the candidates will choose to complete one of the modules. The majority of the depth questions will come from the main topic area, but there will be some questions that overlap with the other topic areas as well.

The Mechanical Engineering exam specifications will be available in early-2001, and will include a confirmation of the breadth and depth topics. The exam specifications can be downloaded at NCEES' website at that time.